1. Write the following in terms of its cofunction.
2. b.
3. d.

1. Find the six trig functions for angle B given the following information about a triangle.

1. Solve each equation. Assume that all angles are acute.

1. Evaluate the following.
2. csc150 b. tan135 c. sin315

d. cos210 e. cot330 f. sec240

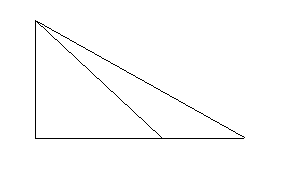
1. Approximate the following.
2. cos48 b. sec142 c. csc215.37
3. cot 35.21
4. Find an angle in the interval [0 that satisfies each below. Round to the nearest hundredth.
5. b.

c. d.

1. Solve the following right triangles. The right angle is at C.
2. A = 54 b = 3.2 b. a = 7 c = 15 c. B = 31 b= 9

d. a = 832 b = 215

1. Find the bearing given the following coordinates.
2. (4, -4) b. c. ( -3 , 0 )
3. From a point 125 ft away from the base of a tree the angle of elevation to the top of the tree is 21.5. How tall is the tree?
4. A man is standing on the top of a building looking down at the highway on a 6.4degree angle of depression. From the base of the building the highway is 3 miles. How tall is the building?
5. Three Ships are out at sea. The bearing from Northwestern to the Wizard is N43. The bearing from the Wizard to the LisaMarie is S47 and the bearing from the Lisa Marie to the Northwestern is N72 with a distance of 78 miles how far apart is the Lisa Marie and the Wizard? Round to the nearest hundredth.
6. Find h in the indicated figure round to the nearest tenth.



42m

43.4

58.7

h